from which the amplitude distortion and the phase distortion can be estimated for use in demodulation of the second symbols following the first symbol. Many widely different embodiments of the quadratur baseband modulator 12 can be constructed. Some embodiments will be described in the following.

Page 20, first paragraph should read:

During an initial stage of signal transmission, the switch 12D selects the output I signal from the reference signal generator 12C while the switch 12E selects the output Q signal from the reference signal generator 12C. During an interval of time which follows the initial stage, the switch 12D alternately selects one of the output I signal from the APSK modulator 12A and the output I signal from the QPSK modulator 12B at a predetermined period, and transmits the selected I signal to the RF portion 15. During the time interval following the initial stage, the switch 12E alternately selects one of the output Q signal from the APSK modulator 12A and the output Q signal from the QPSK modulator 12B at the predetermined period, and transmits the selected Q signal to the RF portion 15.

IN THE CLAIMS:

Kindly cancel claims 36, 41, 50 and 52 without prejudice or disclaimer.

Kindly amend claims 1, 3, 5, 13, 37-40, 42, 45-49, 51, 53, 56-57 and 59 as follows:

1. (Amended) A method for modulation, comprising the steps of:

regularly subjecting an input digital signal to first modulation and second modulation to convert the input digital signal into a pair of a baseband I signal and a baseband Q signal, the first modulation and the second modulation being different from each other; and

outputting the pair of the baseband I signal and the baseband Q signal;

wherein the first modulation is at least 8-signal-point modulation, and the second modulation is phase shift keying;